Memorandum

To: *Rick Sun, Los Angeles County Department of Public Works*

From: *Wendy Katagi, CDM Smith*
Benjamin Hart, SWCA Environmental Consultants

Date: *August 13, 2015*

Subject: *Fish Relocation Weekly Activity Summary for the Oxford Retention Basin Multiuse Enhancement Project – Week of August 9, 2015*

Introduction

This memorandum summarizes the fish relocation activities conducted by CDM Smith and SWCA Environmental Consultants (SWCA) biologists during the week beginning August 9, 2015 at the Oxford Retention Basin Multiuse Enhancement Project. Information regarding the regulatory drivers and methodology of fish relocation activities can be found in the Oxford Retention Basin Multiuse Enhancement Project Fish Relocation Plan, dated July 7, 2015.

Summary of Fish Relocation Activities

Fish relocation activities were attempted in Oxford Basin by Wendy Katagi and Eric Smith of CDM Smith and SWCA Biologists Benjamin Hart, John Ivanov, and Francesca Massarotto on August 10-13, 2015. The construction crew and their diver(s) attempted to install plugs on the tide gates during the week but were unsuccessful, limiting the ability of the fish relocation team to capture and relocate fish.

Attempted trapping methods included the use of seine and dip nets; however, due to high water levels in the Basin, the success of fish capture and relocation was limited. Captured fish were transferred into 18-gallon tubs, and were moved by hand to the Killer Shrimp Restaurant dock in Basin E of the Marina del Rey Harbor. Fish were relocated within a maximum of approximately 15 minutes of being captured. The survival rate of relocated fish was estimated to be approximately 95-100 percent based on visual observation of released individuals. It should be noted that no specific study of survival was conducted after release of individuals. CDFW did not express concern over fish mortality.

Fish species that were captured and relocated from Oxford Basin include: mosquito fish (*Gambusia affinis*; approximately 1,000 individuals); round stingray (*Urolophus halleri*; approximately 5 individuals); and one California sea hare (*Aplysia californica*).

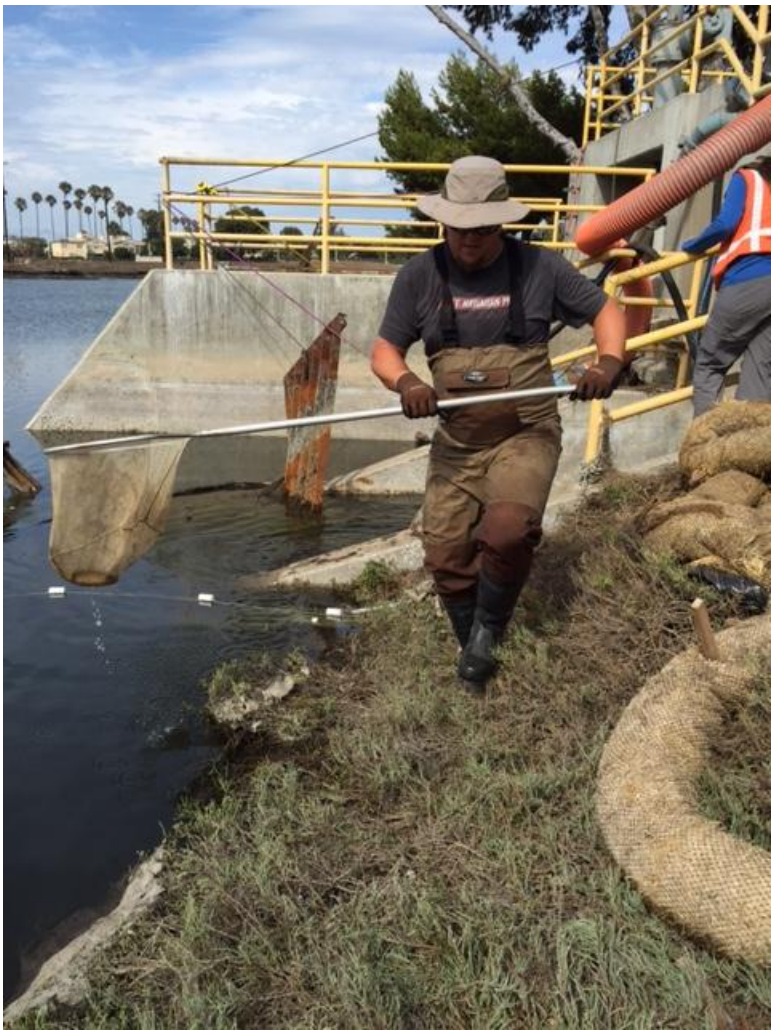

Photo 1. Round stingray capture near the tide gate in Oxford Basin.

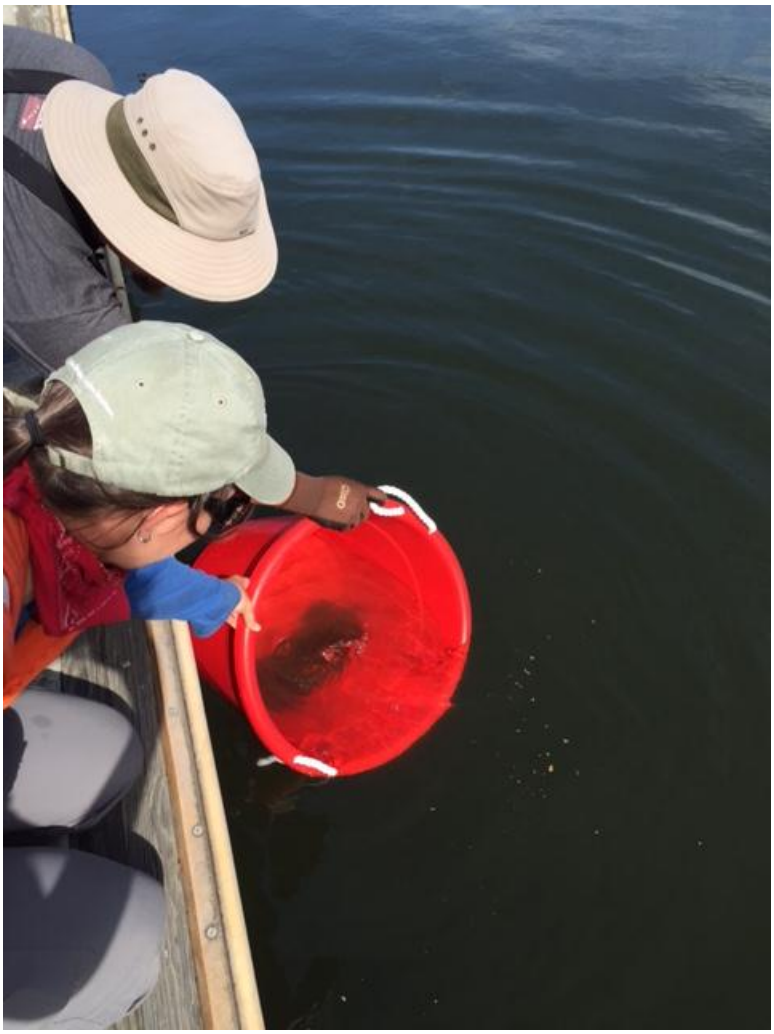

Photo 2. Round stingray relocation in Basin E of Marina del Rey Harbor.

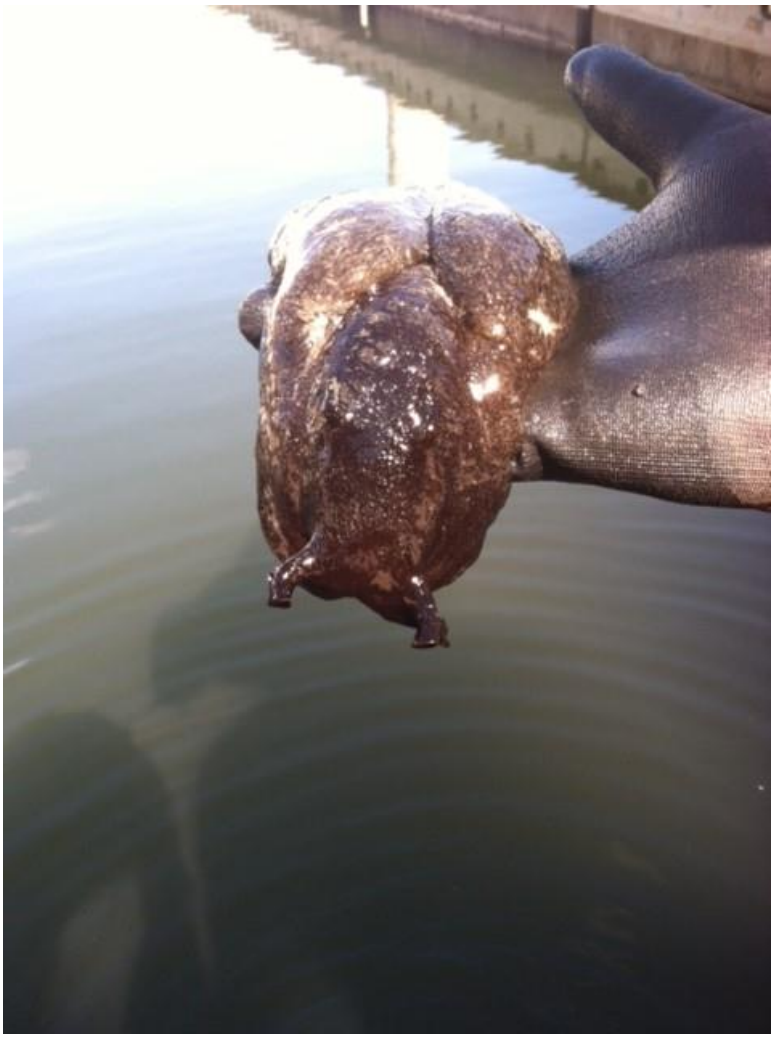

Photo 3. California sea hare captured in Oxford Basin.

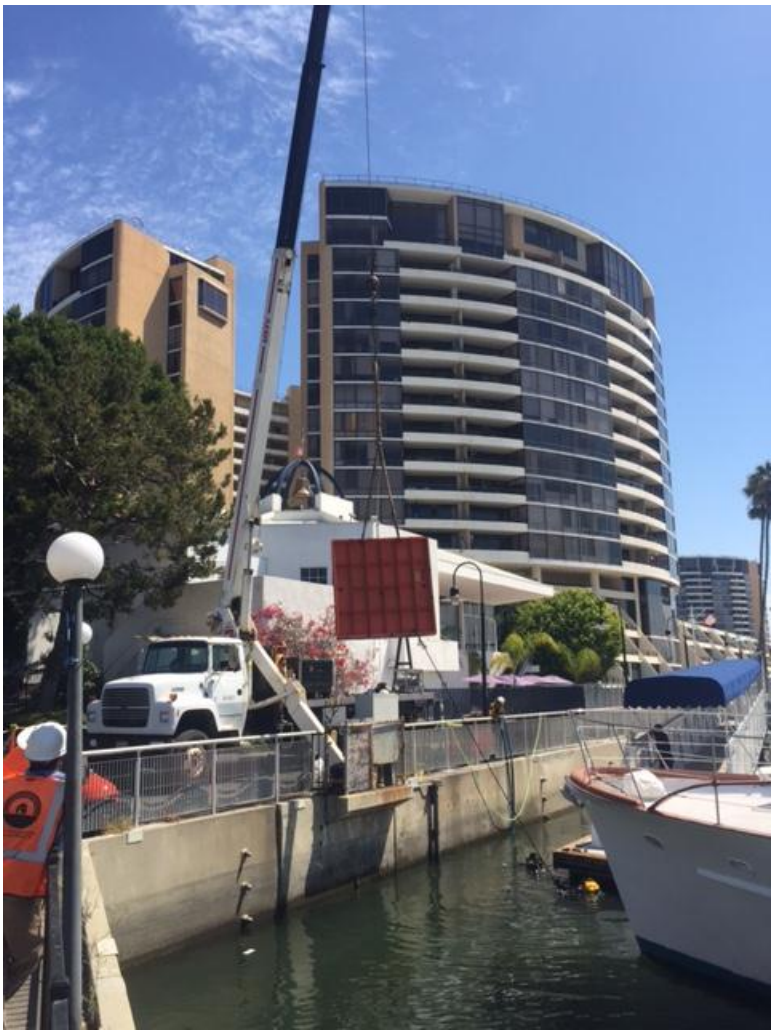

Photo 4. Construction contractor's dive team attempting installation of tide gate plug at Basin E of Marina del Rey Harbor.